

What is claimed is:

1. A method of manufacturing an organic EL display, comprising the steps of:

preparing an organic EL device substrate,

5 preparing a combination of a transparent substrate and color conversion filter layers,

forming an overcoat layer with a pillar in a pillar mold formed by a stripping layer and a temporary substrate,

10 attaching the overcoat layer with the pillar formed in the pillar mold to the combination of the transparent substrate and the color conversion filter layer while curing the overcoat layer with the pillar at a predetermined temperature,

removing the stripping layer to detach the temporary substrate from the overcoat layer with the pillar, and

15 attaching the overcoat layer with the pillar attached to the combination of the transparent substrate and the color conversion filter layers to the organic EL device substrate.

2. A method of manufacturing an organic EL display according to claim 1, wherein said organic EL device substrate includes a substrate, a thin film transistor formed on the substrate, first electrodes formed on the thin film transistor, organic EL light-emitting layers formed on the first electrodes, and a second electrode formed on the organic EL light-emitting layers.

25 3. A method of manufacturing an organic EL display according to claim 1, wherein said pillar mold is formed by the temporary substrate with a female mold for the pillar, and the stripping layer is deposited on the temporary substrate.

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4. A method of manufacturing an organic EL display according to claim 1, wherein said pillar mold is formed by the temporary substrate and the stripping layer with a female mold for the pillar.

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5. A method of manufacturing an organic EL display according to claim 1, wherein said overcoat layer with the pillar is cured at a temperature equal to or lower than 200°C.

10 6. A method of manufacturing an organic EL display according to claim 2, wherein said pillar has a predetermined length so that the overcoat layer is apart from the second electrode in the organic EL luminous device substrate by a predetermined gap when the overcoat layer with the pillar attached to the combination of  
15 the transparent substrate and the color conversion filter layer is attached to the organic EL luminous device substrate.

7. A method of manufacturing an organic EL display according to claim 6, wherein said overcoat layer has a gas barrier property  
20 and is covered on the color conversion filter layers formed on the transparent substrate to smoothen surfaces of the color conversion filter layers.

8. A method of manufacturing a color conversion filter substrate,  
25 comprising the steps of:

preparing a combination of a transparent substrate and color conversion filter layers,

forming an overcoat layer with a pillar in a pillar mold formed by a stripping layer and a temporary substrate,

attaching the overcoat layer with the pillar formed in the pillar mold to the combination of the transparent substrate and the color conversion filter layer while curing the overcoat layer with the pillar at a predetermined temperature, and

5 removing the stripping layer to detach the temporary substrate from the overcoat layer with the pillar.

9. A method of manufacturing a color conversion filter substrate according to claim 8, wherein said pillar mold is formed by the  
10 temporary substrate with a female mold for the pillar, and the stripping layer is deposited on the temporary substrate.

10. A method of manufacturing a color conversion filter substrate according to claim 8, wherein said pillar mold is formed by the  
15 temporary substrate and the stripping layer with a female mold for the pillar.

11. A method of manufacturing a color conversion filter substrate according to claim 8, wherein said overcoat layer with the pillar  
20 is cured at a temperature equal to or lower than 200°C.

12. A method of manufacturing an organic EL display according to claim 1, wherein said overcoat layer includes a first overcoat layer having the pillar and smoothening surfaces of the color  
25 conversion filter layers, and a second overcoat layer laminated with the first overcoat layer and having a gas barrier property.

13. A method of manufacturing a color conversion filter according to claim 8, wherein said overcoat layer includes a first overcoat  
30 layer having the pillar and smoothening surfaces of the color

conversion filter layers, and a second overcoat layer laminated with the first overcoat layer and having a gas barrier property.